

147.68335

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the U.S. Patent Application of:

Applicant(s): Takeda et al.

Serial No.: 10/665,224

Conf No.: 6265

Filed: September 18, 2003

For: LIQUID CRYSTAL DISPLAY DEVICE
AND LIQUID CRYSTAL ORIENTATION
METHOD

Art Unit: 2871

Examiner: Not yet assigned

I hereby certify that this paper is being deposited with the
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20 May 04
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

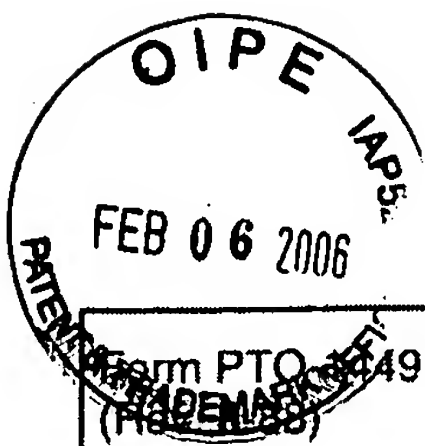
Respectfully submitted,

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Sheet 1 of 1

Form PTO-449 (Rev. 11-83) U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: 1117.68335	Serial No.: 10/665,224
	Applicant: Takeda et al.	
	Filing Date: September 18, 2003	Group: 2871

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	2003/0202146	10/30/2003	Takeda et al.			04/25/2003
	2001/0006408	07/05/2001	Matsuyama et al.			12/20/2000
	2001/0048499	12/06/2001	Numano et al.			08/06/2001
	6,229,589	05/08/2001	Koma			09/29/1998
	6,710,837	03/23/2004	Song et al.			05/14/1999

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered
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*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.